

Amendments to the Claims:

1. (Canceled)

2. (Currently amended) The method of claim [[1]]4, wherein the administration of tagging agent is less than 5 doses; the volume of each dose ranging between 25 to 250 ml; and wherein the total fluid intake is 1 to 3 liters over the 20 to 36 hour administration period.

3. (Canceled)

4. (Currently amended) The method of claim 1; A method of preparing an individual for a predetermined activity, wherein said predetermined activity requires the tagging of at least some colonic residue in the individual's digestive tract, said system comprising:

(a) administering less than 7 doses of a tagging agent in an aqueous suspension over a 20 to 36 hour administration period; wherein each dose of tagging agent is a volume of at least about 20 ml and comprises about 10% to 80% w/v tagging agent; and

(b) administering about 1 to 4 liters of total fluid over the 20 to 36 hour administration period with the patient free from administration of laxatives or cathartics for at least 24 hours;

wherein the administration of tagging agent is 3 doses; wherein the volume of each dose is about 20 ml and comprises about 40% w/v tagging agent.

5. (Currently amended) The method of claim [[1]]4, wherein the tagging agent is Barium Sulfate.

6. (Currently amended) The method of claim [[1]]4, wherein the tagging agent is combined with Sorbitol or Mannitol.

7-13. (Cancelled)

14. (Currently amended) The method of claim [[13]]17, wherein the images are produced in connection with a predetermined activity, including sigmoidscopy, fiberoptic colonoscopy, CT colonography or MR colonography of the individual's colon.

15. (Currently amended) The method of claim [[13]]17, wherein the administration of tagging agent is less than 5 doses; the volume of each dose ranging between 25 to 250 mL; and wherein the total fluid intake is 1 to 3 liters over a 20 to 36 hour administration period.

16. (Cancelled)

17. (Currently amended) The method of claim 13, A method for generating radiography images of one or more sections of an individual's gastrointestinal tract for screening, comprising

- (i) administering to the individual a low residue diet over at least a 48-hour period;
- (ii) administering to the individual one or more doses of a tagging agent over the at least 48-hour period, the tagging agent being an aqueous suspension at a volume of at least about 20 mL and comprising about 10% to 80% w/v tagging agent;
- (iii) with the patient free from administration of laxatives or cathartics for at least 24 hours, imaging the one or more sections of the individual's gastrointestinal tract after the administration period;
- (iv) producing a radiography image of the one or more sections of the individual's gastrointestinal tract; said image showing stool marked with the tagging agent; and
- (v) screening the radiography image to identify the presence of any abnormality in the gastrointestinal tract without removing and/or subtracting the marked stool from the images;

wherein the administration of tagging agent is 3 doses; wherein the volume of each dose is about 20 ml and comprises about 40% w/v tagging agent.

18. (Currently amended) The method of claim [[13]]17, wherein the tagging agent is Barium Sulfate.

19-30. (Canceled)